ABSTRACT

A tensionless leveller for levelling a metal strip and having an entry and an exit includes n+1 motorized rolls each having a constant radius R. The leveller also includes a lower superposed cassette supporting at least n/2 of the rolls and an upper superposed cassette supporting at least n/2 of the rolls not supported by the lower superposed cassette. The rolls are offset with respect to one another and are placed alternately above and below a path of the strip. An axis of each of the rolls of the lower cassette is separated from an axis of an immediately successive roll of the upper cassette by a center-to-center spacing E_k , in which: for k from 2 to 4, k0 and k1 from k2 to 4, k1 for k3 from k3 to k4 from k5 to k6. The form k6 from k8 from k9 from 5 to k9 from 5 t